

Appl. No. 10/552,022
Amdt. dated March 13, 2007
Reply to Office action of December 15, 2006

What is claimed is :

1. A controlling instrument which can be carried during use, acting as an interface between the user and a system or systems for generation, management, transmission and reception of electronic and computerised signals or languages which enable the triggering, control and stopping of electronic, electrical, audible, visual and mechanical events, the controlling instrument comprises a flexible handling bar (1) on which juxtaposed finger control zones (3) and control strips (CS) tautened on a support (9)

wherein the improvement comprises

a spring (4) arranged in a way that its turns (TU) are appreciably perpendicular with regard to the flexible handling bar (1) and

a strain gauge variable resistor (10) is connected by an extremity to a point of a control strip (CS) and by the other extremity to a point of the support (9).

2. The controlling instrument of claim 1 in which a strain gauge variable resistor (5) is arranged between two turns (TU) of the spring (4) and attached to these two turns (TU) in such a way that the resistance value of the strain gauge variable resistors (5) is modified when two respective parts of these two turns (TU) move apart from each other.

3. The controlling instrument of claim 1 comprises a stress gauge variable resistors (5p) arranged between two turns (TU) of the spring (4) the resistance value of this stress gauge variable resistors (5p) is modified when a part of one spring (4) turn (TU) presses against it.

4. The controlling instrument of claim 1 in which the flexible handling bar (1) comprises a flexible tube (2) and the spring (4) is arranged inside this tube (2).

5. The controlling instrument of claim 3 in which grooves (G) are made on the circumference of the tube (2) between the finger control zones (3).